

Application No. 10/633,347
Amendment Dated February 28, 2006
Reply to Office Action of November 1, 2005

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-14 (cancelled)

Claim 15 (currently amended) A system for extending and retracting an object outside and inside an outside surface of a body, comprising:

a mounting structure attached within the body;

a platform to which the object is attached;

a mechanism for extending and retracting the platform, outside and inside the body, along a linear movement path; and

a linear guide that is connected to the mounting structure at a first end of the linear guide and connected to the platform at a second end of the linear guide, wherein the linear guide is engaged by the platform and comprises a linear structure an elongated member disposed along and in parallel to a linear movement path of the platform to stabilize and direct linear movement of the platform; and

a mechanism for extending and retracting the platform, outside and inside the body, along the linear guide.

Claim 16 (Previously presented) The system of claim 15, wherein the body is an aircraft.

Claim 17 (Previously presented) The system of claim 15, wherein the object is a sensor.

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Claim 18 (Previously presented) The system of claim 15, wherein the object is a camera.

Claim 19 (Previously presented) The system of claim 15, wherein the mechanism is electrically driven.

Claim 20 (Previously presented) The system of claim 15, wherein the mechanism is hydraulically driven.

Claim 21 (Previously presented) The system of claim 15, wherein the mechanism is magnetically driven.

Claim 22 (Previously presented) The system of claim 15, wherein the mechanism is pneumatically driven.

Claim 23 (Previously presented) The system of claim 15, wherein the mechanism comprises a linear motion screw.

Claim 24 (Previously presented) The system of claim 15, wherein the mechanism comprises a clutch and brake apparatus.

Claim 25 (Previously presented) The system of claim 15, wherein the body comprises concealment doors that are opened upon extending the object, and closed upon retracting the object.

Claim 26 (Previously presented) The system of claim 15, wherein the mounting structure is fitted into the shape of the body so as limit intrusion into the body.

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Claim 27 (Currently amended) A method for extending and retracting an object outside and inside an outer surface of a body, comprising:

providing a movable platform comprising a mounting structure attached within the body, and a linear guide fixed to the mounting structure, wherein the linear guide comprises an elongated member disposed along and in parallel to a linear movement path of the platform;

attaching the object to a platform; and

extending and retracting a platform outside and inside the body along the linear movement path of the platform, wherein the linear guide stabilizes and directs linear movement of the movable platform. ~~a linear guide that is engaged by the platform and that comprises a linear structure disposed in parallel to a linear movement path of the platform to stabilize and direct linear movement of the platform, the linear guide being connected to a mounting structure attached within the body.~~

Claim 28 (Previously presented) The method of claim 27, wherein the body is an aircraft.

Claim 29 (Previously presented) The method of claim 27, wherein the object is a sensor.

Claim 30 (Previously presented) The method of claim 27, wherein the object is a camera.

Claim 31 (Previously presented) The method of claim 27, wherein the step of extending is performed by an electrically driven mechanism.

Claim 32 (Previously presented) The method of claim 27, wherein the step of extending is performed by a hydraulically driven mechanism.

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Claim 33 (Previously presented) The method of claim 27, wherein the step of extending is performed by a magnetically driven system.

Claim 34 (Previously presented) The method of claim 27, wherein the step of extending is performed by a pneumatically driven system.

Claim 35 (Previously presented) The system of claim 27, wherein the step of extending is performed using a linear motion screw.

Claim 36 (Previously presented) The system of claim 27, wherein the step of extending is performed using a clutch and brake apparatus.